

**Flood Control Project Maintenance  
Levee Inspections**

**Fall 2014 Levee Maintenance Deficiency Summary Report**

**Overall LMA & Unit Ratings, including USACE Erosion Survey**

**Sacramento River Basin**

<b>NA0003</b>	Overall LMA Rating	Total LMA Miles						
<b>Butte County Department of Public Works</b>	<b>A</b>	<b>23.78</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.13		0.13	0.55%				
Encroachments	0.04		0.04	0.17%	0.22	0.55		
Slope Stability	0.02		0.02	0.08%				
<i>Supplemental</i>								
USACE Erosion Survey	0.01		0.01	0.04%				
DWR UCIP Field Study					0.43	0.01		
<i>LMA Totals:</i>	0.20	0.00	0.20	0.84%	0.65	0.56	0.00	0.00
<b>Unit No. 01 Mud Creek RB</b>	Overall Unit Rating	Total Unit Miles						
<b>NA0003</b>	<b>A</b>	<b>6.80</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Encroachments	0.03		0.03	0.44%	0.13	0.05		
<i>Supplemental</i>								
USACE Erosion Survey	0.01		0.01	0.15%				
DWR UCIP Field Study					0.10			
<i>Unit Totals:</i>	0.04	0.00	0.04	0.59%	0.23	0.05	0.00	0.00
<b>Unit No. 02 Mud Creek LB</b>	Overall Unit Rating	Total Unit Miles						
<b>NA0003</b>	<b>A</b>	<b>7.96</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Encroachments	0.01		0.01	0.13%	0.01	0.32		
Slope Stability	0.01		0.01	0.13%				
<i>Supplemental</i>								
DWR UCIP Field Study					0.15			
<i>Unit Totals:</i>	0.02	0.00	0.02	0.25%	0.16	0.32	0.00	0.00
<b>Unit No. 02A Channel Slough LB</b>	Overall Unit Rating	Total Unit Miles						
<b>NA0003</b>	<b>A</b>	<b>0.26</b>						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
No Items								
<i>Unit Totals:</i>	0.00	0.00	0.00	0.00%				

**Flood Control Project Maintenance  
Levee Inspections**

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**Overall LMA & Unit Ratings, including USACE Erosion Survey**

**Sacramento River Basin (cont.)**

<b>Unit No. 03 Sycamore and Sheep Hollow Creeks RB</b>	Overall Unit Rating	Total Unit Miles							
NA0003	A	4.05							
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence		
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
Earthen Levee									
Slope Stability	0.01		0.01	0.25%					
Supplemental									
DWR UCIP Field Study					0.08				
Unit Totals:	0.01	0.00	0.01	0.25%	0.08	0.00	0.00	0.00	

<b>Unit No. 04 Sycamore and Dry Creeks RB</b>	Overall Unit Rating	Total Unit Miles						
NA0003	A	2.86						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Encroachments					0.08	0.18		
Supplemental								
DWR UCIP Field Study					0.10	0.01		
Unit Totals:	0.00	0.00	0.00	0.00%	0.18	0.19	0.00	0.00

<b>Unit No. 05 Big Chico Diversion LB</b>	Overall Unit Rating	Total Unit Miles						
NA0003	A	1.85						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
Earthen Levee								
Vegetation	0.13		0.13	7.04%				
Unit Totals:	0.13	0.00	0.13	7.04%	0.00	0.00	0.00	0.00

**Flood Control Project Maintenance  
Levee Inspections**  
**LMA District Cover Sheet**  
**Fall 2014 Levee Inspection Results**

**Butte County Department of Public Works**

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	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			A	

\*\* Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

\*

SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments


**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2014 Levee Inspection Results**

**Butte County Department of Public Works**

Waterway			Bank	Unit Miles
Unit No. 01 Mud Creek			Right	6.80
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			<b>A</b>	
Date of Inspection	04/10/2014 - 04/10/2014		11/17/2014 - 11/17/2014	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By	Shawn Bates Butte County		Shawn Bates Butte County	

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- completion of the inspection
- any changes other than the results of normal maintenance
- corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	11/17/2014 11/17/2014	Bob Duffey

LM Start		Rating **	A	Issue No.	2		
LM End		Issue Type +	Ma	Location *	N/A		
Category	Earthen Levee			GPS Latitude/Longitude			
				Start		End	
Item	Operations & Maintenance Manuals				°		°
					°		°
DWR ID	DWR_NA0003_01_s_2013_2						
Action/Comments							
Inspector Comments: The LMA has adequate flood fight supplies and equipment.							

No Photos

LM Start		Rating **	A	Issue No.	6		
LM End		Issue Type +	Ma	Location *	N/A		
Category	Earthen Levee			GPS Latitude/Longitude			
				Start		End	
Item	Emergency Supplies & Equipment				°		°
					°		°
DWR ID	DWR_NA0003_01_s_2013_6						
Action/Comments							
Inspector Comments: The LMA completed flood fight training in 2013.							

No Photos

LM Start		Rating **	A	Issue No.	10		
LM End		Issue Type +	Ma	Location *	N/A		
Category	Earthen Levee			GPS Latitude/Longitude			
				Start		End	
Item	Flood Preparedness & Training				°		°
					°		°
DWR ID	DWR_NA0003_01_s_2013_10						
Action/Comments							
Inspector Comments: The LMA has the O&M manuals.							

No Photos

**\* Location**  
 LS : Land Side    N/A : Not Applicable  
 WS : Water Side  
 CR : Crown

**\*\* Rating**  
 A : Acceptable  
 M : Minimally Acceptable  
 U : Unacceptable  
 N : Not Inspected/Rated  
 C : Corrected  
 A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
 Ma : Maintenance Deficiency  
 Ob : Design & System Obsolescence  
 En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	11/17/2014 11/17/2014	Bob Duffey

LM Start	1.02	Rating **	M	Issue No.	5
LM End	1.02	Issue Type +	En	Location *	N/A
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.739268 °	39.739268 °
				-121.931891 °	-121.931891 °
DWR ID	DWR_NA0003_01_f_2014_5				
Action/Comments					
Inspector Comments: FS_ID:32044					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Vegetation debris on waterside. Needs clearing and cleaning.					
FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 12.0 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Grouted riprap apron on the landward end. Grouted riprap spillway on the waterward end. O&M Manual Sac 504, May 1965.					
FS Date: 2/20/2014					

No Photos

LM Start	1.32	Rating **	M	Issue No.	23
LM End	1.32	Issue Type +	En	Location *	N/A
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.741277 °	39.741277 °
				-121.927485 °	-121.927485 °
DWR ID	DWR_NA0003_01_f_2014_23				
Action/Comments					
Firewood					

Photo 1 of 1 : FA\_2014\_NA0003\_64\_23\_20141118\_00007.jpg



View of the firewood along the landside toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	11/17/2014 11/17/2014	Bob Duffey

LM Start	1.74	Rating **	M	Issue No.	15
LM End	1.74	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.745718 °	39.745718 °
				-121.923124 °	-121.923124 °
DWR ID	DWR_NA0003_01_s_2014_15				
Action/Comments					
Firewood					

Photo 1 of 1 : FA\_2014\_NA0003\_64\_15\_20141013\_00004.jpg



View of the firewood along the landside toe.

LM Start	1.94	Rating **	M	Issue No.	11
LM End	1.94	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.747563 °	39.747563 °
				-121.920170 °	-121.920170 °
DWR ID	DWR_NA0003_01_f_2014_11				
Action/Comments					
Inspector Comments: FS_ID:30386					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: No riprap spillway on waterside. Needs cleaning and clearing of debris. Flap gate was not fully closed.					
FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 13.0 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Grouted riprap apron on the landward end. Grouted riprap spillway on the waterward end. O&M Manual Sac 504, May 1965.					
FS Date: 2/20/2014					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	11/17/2014 11/17/2014	Bob Duffey

LM Start	2.06	Rating **	U	Issue No.	3
LM End	2.10	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.748330 °	39.748867 °
				-121.918685 °	-121.918533 °
DWR ID	DWR_NA0003_01_s _ 2012_3				
Action/Comments					
Fence					

Photo 1 of 1 : FA\_2014\_NA0003\_64\_3\_20141013\_00002.jpg



View of the fences along the L/S toe.

LM Start	2.16	Rating **	U	Issue No.	24
LM End	2.16	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.749732 °	39.749732 °
				-121.918270 °	-121.918270 °
DWR ID	DWR_NA0003_01_s _ 2012_24				
Action/Comments					
Building					

No Photos

LM Start	2.18	Rating **	M	Issue No.	4
LM End	2.25	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.749917 °	39.753355 °
				-121.917738 °	-121.922915 °
DWR ID	DWR_NA0003_01_s _ 2012_4				
Action/Comments					
Fence					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	11/17/2014 11/17/2014	Bob Duffey

LM Start	2.66	Rating **	M	Issue No.	26
LM End	2.66	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.756022 °	39.756022 °
				-121.914788 °	-121.914788 °
DWR ID	DWR_NA0003_01_f_2014_26				
Action/Comments					
Prunings					

Photo 1 of 1 : FA\_2014\_NA0003\_64\_26\_20141118\_00008.jpg



View of the prunings along the landside toe.

LM Start	2.78	Rating **	M	Issue No.	12
LM End	2.78	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.757445 °	39.757445 °
				-121.913654 °	-121.913654 °
DWR ID	DWR_NA0003_01_f_2014_12				
Action/Comments					
Inspector Comments: FS_ID:30291 EP_NO: 16633 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: A concrete water control box on landside should be confirmed and more info from LMA and/or DWR Inspector. FIELD_STRUCT_DESC: A 2-inch diameter storm water discharge pipeline through the right bank and landward levee toe of Mud Creek. Used a 2-inch coated & wrapped steel pipe. Submerged pump in 36 inch dia CMP casing approx 10 ft from landside toe. Drainage ditch, up to 4 ft wide, runs perpendicular to levee alignment starting at CMP riser and running away from levee. (App. No. 16633) FS Date: 2/20/2014					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	11/17/2014 11/17/2014	Bob Duffey

LM Start	3.00	Rating **	M	Issue No.	1
LM End	3.00	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.759755 °	39.759755 °
				-121.911160 °	-121.911160 °
DWR ID	DWR_NA0003_01_s_2012_1				
Action/Comments					
Prunings					

Photo 1 of 1 : FA\_2014\_NA0003\_64\_1\_20141013\_00001.jpg



View of the pruning pile along the L/S toe.

LM Start	3.10	Rating **	M	Issue No.	25
LM End	3.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.761085 °	39.761085 °
				-121.911048 °	-121.911048 °
DWR ID	DWR_NA0003_01_s_2012_25				
Action/Comments					
Prunings					

Photo 1 of 1 : FA\_2014\_NA0003\_64\_25\_20141013\_00006.jpg



View of the prunings along the landside toe.

LM Start	3.11	Rating **	M	Issue No.	14
LM End	3.11	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.761224 °	39.761224 °
				-121.911108 °	-121.911108 °
DWR ID	DWR_NA0003_01_f_2014_14				
Action/Comments					
Inspector Comments: FS_ID:30294					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Inlet and outlet needs cleaning and clearing of debris.					
FIELD_STRUCT_DESC: 24-inch CM pipe through levee, 8.5 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Grouted riprap apron on the landward end. Grouted riprap spillway on the waterward end. O&M Manual Sac 504, May 1965.					
FS Date: 2/20/2014					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Levee Inspections**

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**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	11/17/2014 11/17/2014	Bob Duffey

LM Start	3.26	Rating **	M	Issue No.	16
LM End	3.26	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.763067 °	39.763067 °
				-121.909608 °	-121.909608 °
DWR ID	DWR_NA0003_01_f_2014_16				
Action/Comments					
Inspector Comments: FS_ID:30295					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: It needs cleaning and clearing in inlet and outlet ends.					
FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 9.0 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Grouted riprap apron on the landward end.					
Grouted riprap spillway on the waterward end. O&M Manual Sac 504, May 1965.					
FS Date: 2/20/2014					

No Photos

LM Start	3.33	Rating **	M	Issue No.	27
LM End	3.33	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.763993 °	39.763993 °
				-121.909108 °	-121.909108 °
DWR ID	DWR_NA0003_01_f_2014_27				
Action/Comments					
Prunings					

Photo 1 of 1 : FA\_2014\_NA0003\_64\_27\_20141118\_00009.jpg



View of the prunings along the landside toe.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

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**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	11/17/2014 11/17/2014	Bob Duffey

LM Start	3.48	Rating **	M	Issue No.	17
LM End	3.48	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.765440 °	39.765440 °
				-121.907261 °	-121.907261 °
DWR ID	DWR_NA0003_01_f_2014_17				
Action/Comments					
Inspector Comments: FS_ID:30310					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Needs cleaning and clearing of debris.					
FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 10.0 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Grouted riprap apron on the landward end. Grouted riprap spillway on the waterward end. O&M Manual Sac 504, May 1965.					
FS Date: 2/20/2014					

No Photos

LM Start	3.99	Rating **	M	Issue No.	28
LM End	3.99	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.770502 °	39.770502 °
				-121.901200 °	-121.901200 °
DWR ID	DWR_NA0003_01_f_2014_28				
Action/Comments					
Prunings					

Photo 1 of 1 : FA\_2014\_NA0003\_64\_28\_20141118\_00010.jpg



View of the prunings along the landside toe.

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

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Levee Inspections**

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	11/17/2014 11/17/2014	Bob Duffey

LM Start	4.07	Rating **	M	Issue No.	18
LM End	4.07	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.771293 °	39.771293 °
				-121.900247 °	-121.900247 °
DWR ID	DWR_NA0003_01_f_2014_18				
Action/Comments					
Inspector Comments: FS_ID:30311					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Needs cleaning and clearing of debris in both ends of the pipe.					
FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 9.0 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Grouted riprap apron on the landward end. Grouted riprap spillway on the waterward end. O&M Manual Sac 504, May 1965.					
FS Date: 2/20/2014					

No Photos

LM Start	4.13	Rating **	M	Issue No.	29
LM End	4.13	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.771843 °	39.771843 °
				-121.899437 °	-121.899437 °
DWR ID	DWR_NA0003_01_f_2014_29				
Action/Comments					
Prunings					

Photo 1 of 1 : FA\_2014\_NA0003\_64\_29\_20141118\_00011.jpg



View of the prunings along the landside toe.

LM Start	4.37	Rating **	M	Issue No.	8
LM End	4.37	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	USACE Erosion Survey			39.773257 °	39.773969 °
				-121.895618 °	-121.895078 °
DWR ID	DWR_NA0003_01_f_2014_8				
Action/Comments					
Inspector Comments: 2011 - Two large erosion scallops at the toe from a rotational failure. Deep cracks along the slope indicate the potential for further failures. 2013: Site is part of the extended inventory, last inspected 2011. [2013 Site ID: MUD_4-4_R]					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	11/17/2014 11/17/2014	Bob Duffey

LM Start	4.57	Rating **	M	Issue No.	19
LM End	4.57	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.775905 °	39.775905 °
				-121.893980 °	-121.893980 °
DWR ID	DWR_NA0003_01_f_2014_19				
Action/Comments					
Inspector Comments: FS_ID:30312					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Needs cleaning and clearing of debris.					
FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 13.0 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Grouted riprap apron on the landward end. Grouted riprap spillway on the waterward end. O&M Manual Sac 504, May 1965.					
FS Date: 2/20/2014					

No Photos

LM Start	4.58	Rating **	M	Issue No.	21
LM End	4.58	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.775908 °	39.775908 °
				-121.893947 °	-121.893947 °
DWR ID	DWR_NA0003_01_s_2012_21				
Action/Comments					
Prunings					

Photo 1 of 1 : FA\_2014\_NA0003\_64\_21\_20141013\_00005.jpg



View of the brush pile along landside toe.

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	11/17/2014 11/17/2014	Bob Duffey

LM Start	4.91	Rating **	A/W	Issue No.	13
LM End	4.91	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.780068 °	39.780068 °
				-121.891469 °	-121.891469 °
DWR ID	DWR_NA0003_01_s_ 2013_13				
Action/Comments					
Prunings					

Photo 1 of 1 : FA\_2014\_NA0003\_64\_13\_20141013\_00003.jpg



The landowner burned the pruning pile.

LM Start	4.93	Rating **	M	Issue No.	20
LM End	4.93	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.780244 °	39.780244 °
				-121.891267 °	-121.891267 °
DWR ID	DWR_NA0003_01_f_ 2014_20				
Action/Comments					
Inspector Comments: FS_ID:30388					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: CM Standpipe intake. Intake pipe with air vent. Steel rib-bar grit cover on the standpipe on landside levee toe. Needs cleaning and clearing on both ends of the pipe.					
FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 15.0 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on waterside ends. Grouted riprap spillway on the waterward end. CM Standpipe intake. Intake pipe with air vent. Steel rib-bar grit cover on the standpipe on landside levee toe. O&M Manual Sac 504, May 1965.					
FS Date: 2/20/2014					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Mud Creek	Right	6.80	11/17/2014 11/17/2014	Bob Duffey

LM Start	5.43	Rating **	M	Issue No.	22
LM End	5.43	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.784739 °	39.784739 °
				-121.884860 °	-121.884860 °
DWR ID	DWR_NA0003_01_f_2014_22				
Action/Comments					
Inspector Comments: FS_ID:30368					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: 12-inch steel pipe about 14 ft below the crown.					
FIELD_STRUCT_DESC: 12-inch steel pipeline through levee, 14-ft below the crown. Slide gate in concrete box on waterward slope. Flap gate on waterward side. Grouted rock revetment on waterward slope.					
Three pumps on concrete pad on landside.					
FS Date: 2/24/2014					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2014 Levee Inspection Results**

**Butte County Department of Public Works**

Waterway			Bank	Unit Miles
Unit No. 02 Mud Creek			Left	7.96
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	04/10/2014 - 04/10/2014		11/17/2014 - 11/17/2014	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By	Shawn Bates Butte County		Shawn Bates Butte County	

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	11/17/2014 11/17/2014	Bob Duffey

LM Start	0.28	Rating **	M	Issue No.	11
LM End	0.28	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.797416 °	39.797416 °
				-121.881675 °	-121.881675 °
DWR ID	DWR_NA0003_02_f_2014_11				
Action/Comments					
Inspector Comments: FS_ID:31667					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Needs cleaning and clearing the culvert.					
FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 6.6 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Grouted riprap spillway on the waterward end.					
O&M Manual Sac 504, May 1965.					
FS Date: 3/11/2014					

No Photos

LM Start	1.33	Rating **	M	Issue No.	13
LM End	1.33	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.784062 °	39.784062 °
				-121.884344 °	-121.884344 °
DWR ID	DWR_NA0003_02A_f_2014_3				
Action/Comments					
Inspector Comments: FS_ID:30403					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Needs cleaning and clearing of debris.					
FIELD_STRUCT_DESC: 24-inch CM pipe through levee, 12.5 below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Grouted riprap apron on the landward end. Grouted riprap spillway on the waterward end. O&M Manual Sac 504, May 1965.					
FS Date: 2/24/2014					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	11/17/2014 11/17/2014	Bob Duffey

LM Start	1.53	Rating **	M	Issue No.	14
LM End	1.53	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.782980 °	39.782980 °
				-121.887834 °	-121.887834 °
DWR ID	DWR_NA0003_02A_f_2014_4				
Action/Comments					
Inspector Comments: FS_ID:30743					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Needs cleaning and clearing of debris.					
FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 11.0 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Grouted riprap apron on the landward end. Grouted riprap spillway on the waterward end. O&M Manual Sac 504, May 1965.					
FS Date: 2/24/2014					

No Photos

LM Start	1.58	Rating **	U	Issue No.	3
LM End	1.90	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.782773 °	39.778972 °
				-121.888178 °	-121.891563 °
DWR ID	DWR_NA0003_02_s_2012_3				
Action/Comments					
Fence					

Photo 1 of 1 : FA\_2014\_NA0003\_65\_3\_20141013\_00002.jpg



View of the fence along the landside toe of the levee.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	11/17/2014 11/17/2014	Bob Duffey

LM Start	2.43	Rating **	M	Issue No.	15
LM End	2.43	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.772185 °	39.772185 °
				-121.895681 °	-121.895681 °
DWR ID	DWR_NA0003_02A_f _ 2014_5				
Action/Comments					
Inspector Comments: FS_ID:30763					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Debris in landside inlet areaNeeds cleaning and clearing of debris.					
FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 10.0 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Grouted riprap apron on the landward end. Grouted riprap spillway on the waterward end. O&M Manual Sac 504, May 1965.					
FS Date: 2/24/2014					

No Photos

LM Start	2.84	Rating **	M	Issue No.	16
LM End	2.84	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.768741 °	39.768741 °
				-121.901176 °	-121.901176 °
DWR ID	DWR_NA0003_02A_f _ 2014_6				
Action/Comments					
Inspector Comments: FS_ID:30783					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Needs cleaning and clearing of debris.					
FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 10.0 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Grouted riprap apron on the landward end. Grouted riprap spillway on the waterward end. O&M Manual Sac 504, May 1965.					
FS Date: 2/24/2014					

No Photos

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	11/17/2014 11/17/2014	Bob Duffey

LM Start	2.90	Rating **	M	Issue No.	1
LM End	2.90	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.767841 °	39.767841 °
				-121.901534 °	-121.901534 °
DWR ID	DWR_NA0003_02_f_2013_1				
Action/Comments					
Material					

Photo 1 of 1 : FA\_2014\_NA0003\_65\_1\_20141013\_00001.jpg



View of the tree stakes along the landside slope and toe.

LM Start	3.42	Rating **	M	Issue No.	5
LM End	3.42	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.763208 °	39.763208 °
				-121.908517 °	-121.908517 °
DWR ID	DWR_NA0003_02_f_2012_5				
Action/Comments					
Prunings					

Photo 1 of 1 : FA\_2014\_NA0003\_65\_5\_20141013\_00003.jpg



View of the brush pile along landside toe.

LM Start	3.45	Rating **	C	Issue No.	6
LM End	3.45	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.762853 °	39.762853 °
				-121.908653 °	-121.908653 °
DWR ID	DWR_NA0003_02_s_2013_6				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	11/17/2014 11/17/2014	Bob Duffey

LM Start	3.48	Rating **	A/W	Issue No.	12
LM End	3.48	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.762408 °	39.762408 °
				-121.908805 °	-121.908805 °
DWR ID	DWR_NA0003_02_f_2014_12				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA\_2014\_NA0003\_65\_12\_20141118\_00010.jpg



View of the rodent holes along the landside slope.

LM Start	3.62	Rating **	M	Issue No.	17
LM End	3.62	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.760847 °	39.760847 °
				-121.910265 °	-121.910265 °
DWR ID	DWR_NA0003_02A_f_2014_7				
Action/Comments					
Inspector Comments: FS_ID:30803					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Needs cleaning and clearing of debris.					
FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 6.5 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Grouted riprap apron on the landward end. Grouted riprap spillway on the waterward end. O&M Manual Sac 504, May 1965.					
FS Date: 2/24/2014					

No Photos

LM Start	3.63	Rating **	M	Issue No.	10
LM End	3.63	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.760531 °	39.760531 °
				-121.910293 °	-121.910293 °
DWR ID	DWR_NA0003_02_s_2014_10				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

Photo 1 of 1 : FA\_2014\_NA0003\_65\_10\_20141013\_00008.jpg



View of the vehicle erosion along the waterside slope.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown		<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	11/17/2014 11/17/2014	Bob Duffey

LM Start	4.70	Rating **	A/W	Issue No.	8
LM End	4.70	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.749639 °	39.749639 °
				-121.917188 °	-121.917188 °
DWR ID	DWR_NA0003_02_f_2013_8				
Action/Comments					
Exterminate rodents and backfill and compact or grout burrows.					

Photo 1 of 1 : FA\_2014\_NA0003\_65\_8\_20141013\_00006.jpg



View of the rodent holes along the landside slope.

LM Start	4.77	Rating **	M	Issue No.	18
LM End	4.77	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.748731 °	39.748731 °
				-121.917577 °	-121.917577 °
DWR ID	DWR_NA0003_02A_f_2014_8				
Action/Comments					
Inspector Comments: FS_ID:31028					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Needs cleaning and clearing of debris.					
FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 10.0 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Grouted riprap apron on the landward end. Grouted riprap spillway on the waterward end. O&M Manual Sac 504, May 1965.					
FS Date: 2/25/2014					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable  N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	11/17/2014 11/17/2014	Bob Duffey

LM Start	5.59	Rating **	A/W	Issue No.	9
LM End	5.59	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.740508 °	39.740508 °
				-121.926814 °	-121.926814 °
DWR ID	DWR_NA0003_02_f_2013_9				
Action/Comments					
No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					

Photo 1 of 1 : FA\_2014\_NA0003\_65\_9\_20141013\_00007.jpg



View of the rodent holes along the landside slope.

LM Start	5.82	Rating **	M	Issue No.	19
LM End	5.82	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.738898 °	39.738898 °
				-121.930242 °	-121.930242 °
DWR ID	DWR_NA0003_02A_f_2014_9				
Action/Comments					
Inspector Comments: FS_ID:31031 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing of debris. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 11.5 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Grouted riprap apron on the landward end. Grouted riprap spillway on the waterward end. O&M Manual Sac 504, May 1965. FS Date: 2/25/2014					

No Photos

LM Start	6.02	Rating **	A/W	Issue No.	7
LM End	6.02	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.736652 °	39.736652 °
				-121.932053 °	-121.932053 °
DWR ID	DWR_NA0003_02_s_2013_7				
Action/Comments					
Prunings					

Photo 1 of 1 : FA\_2014\_NA0003\_65\_7\_20141013\_00005.jpg



View of the removed prunings from the landside toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	<b>N : Not Inspected/Rated</b> C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	11/17/2014 11/17/2014	Bob Duffey

LM Start	6.34	Rating **	M	Issue No.	20
LM End	6.34	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.732515 °	39.732515 °
				-121.930373 °	-121.930373 °
DWR ID	DWR_NA0003_02A_f_2014_10				
Action/Comments					
Inspector Comments: FS_ID:31034					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Needs cleaning and clearing of debris.					
FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 12.0 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Grouted riprap apron on the landward end. Grouted riprap spillway on the waterward end. O&M Manual Sac 504, May 1965.					
FS Date: 2/25/2014					

No Photos

LM Start	6.64	Rating **	M	Issue No.	21
LM End	6.64	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.728812 °	39.728812 °
				-121.932623 °	-121.932623 °
DWR ID	DWR_NA0003_02A_f_2014_11				
Action/Comments					
Inspector Comments: FS_ID:31085 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing of debris. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 15.5 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Grouted riprap apron on the landward end. Grouted riprap spillway on the waterward end. O&M Manual Sac 504, May 1965. FS Date: 2/25/2014					

No Photos

**\* Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

**\*\* Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

**+ Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	11/17/2014 11/17/2014	Bob Duffey

LM Start	7.15	Rating **	M	Issue No.	22
LM End	7.15	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.722798 °	39.722798 °
				-121.937828 °	-121.937828 °
DWR ID	DWR_NA0003_02A_f_2014_12				
Action/Comments					
Inspector Comments: FS_ID:31103 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing of debris. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 15.0 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Grouted riprap apron on the landward end. Grouted riprap spillway on the waterward end. O&M Manual Sac 504, May 1965. FS Date: 2/25/2014					

No Photos

LM Start	7.45	Rating **	M	Issue No.	23
LM End	7.45	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.718882 °	39.718882 °
				-121.937602 °	-121.937602 °
DWR ID	DWR_NA0003_02A_f_2014_13				
Action/Comments					
Inspector Comments: FS_ID:32085					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Slide gates in CMP risers on waterside shoulder. Needs cleaning and clearing of debris.					
FIELD_STRUCT_DESC: 1 of 3: Three 48-inch CM pipes through levee, 18.0 feet below crown. Flap gate on the waterward end. Slide gate in CMP riser on waterside shoulder. Concrete "U" headwalls on both ends. Grouted riprap apron on the landward end. Grouted riprap spillway on the waterward end. O&M Manual Sac 504, May 1965.					
FS Date: 2/25/2014					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	11/17/2014 11/17/2014	Bob Duffey

LM Start	7.45	Rating **	M	Issue No.	24
LM End	7.45	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.718862 °	39.718862 °
				-121.937594 °	-121.937594 °
DWR ID	DWR_NA0003_02A_f _ 2014_14				
Action/Comments					
Inspector Comments: FS_ID:32086					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Slide gates in CMP risers on waterside should needs cleaning and clearing of debris.					
FIELD_STRUCT_DESC: 2 of 3: Three 48-inch CM pipes through levee, 18.0 feet below crown Flap gate on the waterward end. Concrete "U" headwalls on both ends. Grouted riprap apron on the landward end. Grouted riprap spillway on the waterward end. O&M Manual Sac 504, May 1965.					
FS Date: 2/25/2014					

No Photos

LM Start	7.45	Rating **	M	Issue No.	25
LM End	7.45	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.718849 °	39.718849 °
				-121.937580 °	-121.937580 °
DWR ID	DWR_NA0003_02A_f _ 2014_15				
Action/Comments					
Inspector Comments: FS_ID:32087					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Slide gates in CMP risers on waterside should needs cleaning and clearing on both pipe ends.					
FIELD_STRUCT_DESC: 3 of 3: Three 48-inch CM pipes through levee, 18.0 feet below crown Flap gate on the waterward end. Slide gate in CMP riser on waterside shoulder. Concrete "U" headwalls on both ends. Grouted riprap apron on the landward end. Grouted riprap spillway on the waterward end. O&M Manual Sac 504, May 1965.					
FS Date: 2/25/2014					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Mud Creek	Left	7.96	11/17/2014 11/17/2014	Bob Duffey

LM Start	8.00	Rating **	M	Issue No.	26
LM End	8.00	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.711436 °	39.711436 °
				-121.937135 °	-121.937135 °
DWR ID	DWR_NA0003_02A_f_2014_16				
Action/Comments					
Inspector Comments: FS_ID:31129					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Debris in inlet pipe, needs cleaning and clearing.					
FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 18.0 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Grouted riprap apron on the landward end.					
Grouted riprap spillway on the waterward end. O&M Manual Sac 504, May 1965.					
FS Date: 2/25/2014					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2014 Levee Inspection Results**

**Butte County Department of Public Works**

Waterway			Bank	Unit Miles
Unit No. 02A Channel Slough			Left	0.26
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	04/10/2014 - 04/10/2014		11/17/2014 - 11/17/2014	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By	Shawn Bates Butte County		Shawn Bates Butte County	

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- completion of the inspection
- any changes other than the results of normal maintenance
- corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02A Channel Slough	Left	0.26	11/17/2014 11/17/2014	Bob Duffey

LM Start	0.09	Rating **	A	Issue No.	17
LM End	0.09	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.734100 °	39.734100 °
				-121.929570 °	-121.929570 °
DWR ID	DWR_NA0003_02A_f_2014_17				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : FA\_2014\_NA0003\_66\_17\_20141118\_00001.jpg



View of controlled vegetation on both slopes.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2014 Levee Inspection Results**

**Butte County Department of Public Works**

Waterway			Bank	Unit Miles
Unit No. 03 Sycamore and Sheep Hollow Creeks			Right	4.05
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	04/10/2014 - 04/10/2014		11/17/2014 - 11/17/2014	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By	Shawn Bates Butte County		Shawn Bates Butte County	

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sycamore and Sheep Hollow Creeks	Right	4.05	11/17/2014 11/17/2014	Bob Duffey

LM Start	0.06	Rating **	M	Issue No.	3
LM End	0.06	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.786068 °	39.786068 °
				-121.881828 °	-121.881828 °
DWR ID	DWR_NA0003_03_s_2012_3				
Action/Comments					
Repair the levee slope damaged by vehicle traffic and prevent access where possible.					

Photo 1 of 1 : FA\_2014\_NA0003\_67\_3\_20141118\_00002.jpg



View of the erosion caused by motorcycles on the land side slope.

LM Start	0.08	Rating **	M	Issue No.	4
LM End	0.08	Issue Type +	En	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.786195 °	39.786195 °
				-121.881325 °	-121.881325 °
DWR ID	DWR_NA0003_03_f_2014_4				
Action/Comments					
Inspector Comments: FS_ID:32103					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Slide gate in CMP riser on waterside. The culvert was working during field inspection.					
FIELD_STRUCT_DESC: 42-inch CM pipe through the levee, 14 feet below the crown. Flap gate on the waterward end. Slid gate in CM riser on the waterward slope. Concrete "U" headwalls on both ends. Grouted riprap apron on the landward end. Grouted riprap spillway on the waterward end. O&M Manual Sac 504, May 1965.					
FS Date: 3/11/2014					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sycamore and Sheep Hollow Creeks	Right	4.05	11/17/2014 11/17/2014	Bob Duffey

LM Start	1.35	Rating **	A	Issue No.	12
LM End	1.35	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.779455 °	39.779455 °
				-121.861162 °	-121.861162 °
DWR ID	DWR_NA0003_03_f_2014_12				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : FA\_2014\_NA0003\_67\_12\_20141118\_00003.jpg



View of controlled vegetation on both slopes.

LM Start	1.99	Rating **	M	Issue No.	5
LM End	1.99	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.781714 °	39.781714 °
				-121.850868 °	-121.850868 °
DWR ID	DWR_NA0003_03_f_2014_5				
Action/Comments					
Inspector Comments: FS_ID:31900					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Indicator Found					
UCIP Comments: Needs location confirmation, GPS reading has not taken due to access problem.					
FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 8.0 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Grouted riprap apron on the landward end. Grouted riprap spillway on the waterward end. O&M Manual Sac 504, May 1965.					
FS Date: 3/11/2014					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sycamore and Sheep Hollow Creeks	Right	4.05	11/17/2014 11/17/2014	Bob Duffey

LM Start	2.22	Rating **	M	Issue No.	6
LM End	2.22	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.785290 °	39.785290 °
				-121.844235 °	-121.844235 °
DWR ID	DWR_NA0003_03_f_2014_6				
Action/Comments					
Inspector Comments: FS_ID:32124					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Pipe is about 4 feet below the crown. Needs cleaning and clearing the culvert.					
FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 6.0 feet below the crown. Flap gate on the waterward end. Concrete "U" headwall on each end. O&M Manual Sac 504, May 1965.					
FS Date: 3/7/2014					

No Photos

LM Start	3.14	Rating **	M	Issue No.	7
LM End	3.14	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.778016 °	39.778016 °
				-121.854460 °	-121.854460 °
DWR ID	DWR_NA0003_03_f_2014_7				
Action/Comments					
Inspector Comments: FS_ID:31901					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Needs cleaning and clearing the culvert.					
FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 11.0 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Grouted riprap apron on the landward end. Grouted riprap spillway on the waterward end. O&M Manual Sac 504, May 1965.					
FS Date: 3/7/2014					

No Photos

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sycamore and Sheep Hollow Creeks	Right	4.05	11/17/2014 11/17/2014	Bob Duffey

LM Start	3.41	Rating **	M	Issue No.	8
LM End	3.41	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.777410 °	39.777410 °
				-121.849627 °	-121.849627 °
DWR ID	DWR_NA0003_03_f_2014_8				
Action/Comments					
Inspector Comments: FS_ID:31864 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing the culvert. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 10.5 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Grouted riprap apron on the landward end. Grouted riprap spillway on the waterward end. O&M Manual Sac 504, May 1965. FS Date: 3/7/2014					

No Photos

LM Start	3.57	Rating **	M	Issue No.	9
LM End	3.57	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.777139 °	39.777139 °
				-121.846769 °	-121.846769 °
DWR ID	DWR_NA0003_03_f_2014_9				
Action/Comments					
Inspector Comments: FS_ID:31856					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Needs cleaning and clearing the culvert.					
FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 9.5 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Grouted riprap apron on the landward end. Grouted riprap spillway on the waterward end. O&M Manual Sac 504, May 1965.					
FS Date: 3/7/2014					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 03 Sycamore and Sheep Hollow Creeks	Right	4.05	11/17/2014 11/17/2014	Bob Duffey

LM Start	3.72	Rating **	M	Issue No.	10
LM End	3.72	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.777381 °	39.777381 °
				-121.844052 °	-121.844052 °
DWR ID	DWR_NA0003_03_f_2014_10				
Action/Comments					
Inspector Comments: FS_ID:31851 EP_NO: 14512 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: A 6-inch steel pipe attached to the Cohasset Road Bridge. Not confirmed whether this is a gasoline pipe. FIELD_STRUCT_DESC: 6-inch gas steel pipeline through the levee, 2 feet below the crown. (App. 14512 PG&E, 11/86) FS Date: 3/7/2014					

No Photos

LM Start	3.76	Rating **	M	Issue No.	11
LM End	3.76	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.777662 °	39.777662 °
				-121.843489 °	-121.843489 °
DWR ID	DWR_NA0003_03_f_2014_11				
Action/Comments					
Inspector Comments: FS_ID:32125					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: The culvert was working during the field visit. Needs cleaning and clearing on both ends of the pipe.					
FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 7.5 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Grouted riprap apron on the landward end. Grouted riprap spillway on the waterward end. O&M Manual Sac 504, May 1965.					
FS Date: 3/4/2014					

No Photos

\* Location  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2014 Levee Inspection Results**

**Butte County Department of Public Works**

Waterway			Bank	Unit Miles
Unit No. 04 Sycamore and Dry Creeks			Right	2.86
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	04/10/2014 - 04/10/2014		11/17/2014 - 11/17/2014	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By	Shawn Bates Butte County		Shawn Bates Butte County	

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	11/17/2014 11/17/2014	Bob Duffey

LM Start	0.28	Rating **	M	Issue No.	6
LM End	0.28	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.776554 °	39.776554 °
				-121.850730 °	-121.850730 °
DWR ID	DWR_NA0003_04_f_2014_6				
Action/Comments					
Inspector Comments: FS_ID:32026					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Needs cleaning and clearing the culvert.					
FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 10.0 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Grouted riprap apron on the landward end.					
Grouted riprap spillway on the waterward end. O&M Manual Sac 504, May 1965.					
FS Date: 3/7/2014					

No Photos

LM Start	0.34	Rating **	M	Issue No.	7
LM End	0.34	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.775926 °	39.775926 °
				-121.850647 °	-121.850647 °
DWR ID	DWR_NA0003_04_f_2014_7				
Action/Comments					
Inspector Comments: FS_ID:32025					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Slide gate in a CMP rise/Vegetation debris and mud on inlet box. Needs cleaning and clearing the culvert.					
FIELD_STRUCT_DESC: 24-inch CM pipe through the levee and under the channel, 9.5 feet below the crown. Slide gate in CM pipe riser on the waterward slope. Concrete "U" headwall on the landward end. O&M Manual Sac 504, May 1965.					
FS Date: 3/7/2014					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	11/17/2014 11/17/2014	Bob Duffey

LM Start	0.37	Rating **	M	Issue No.	8
LM End	0.37	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.775682 °	39.775682 °
				-121.850375 °	-121.850375 °
DWR ID	DWR_NA0003_04_f_2014_8				
Action/Comments					
Inspector Comments: FS_ID:32023					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Needs cleaning and clearing the culvert.					
FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 8.0 feet below the crown. Flap gate on the waterward end. Concrete "U" headwall on both ends. Grouted riprap apron on the landward end. Grouted riprap spillway on the waterward end. O&M Manual Sac 504, May 1965.					
FS Date: 3/7/2014					

No Photos

LM Start	0.75	Rating **	U	Issue No.	9
LM End	0.75	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.772907 °	39.772907 °
				-121.845949 °	-121.845949 °
DWR ID	DWR_NA0003_04_f_2014_9				
Action/Comments					
Inspector Comments: FS_ID:31968					
EP_NO: N/A					
Repair Type: Urgent					
Crossing Status: Found					
UCIP Comments: Flap gate missing. Pipe support needs to be repaired. Needs cleaning and clearing the pipe outlet.					
FIELD_STRUCT_DESC: 12-inch CM pipe through the patrol road, 4.3 feet below the crown.					
FS Date: 3/7/2014					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	11/17/2014 11/17/2014	Bob Duffey

LM Start	0.96	Rating **	M	Issue No.	10
LM End	0.96	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.775704 °	39.775704 °
				-121.850901 °	-121.850901 °
DWR ID	DWR_NA0003_04_f_2014_10				
Action/Comments					
Inspector Comments: FS_ID:32143					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Needs cleaning and clearing the culvert.					
FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 9.0 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Grouted riprap apron on the landward end. Grouted riprap spillway on the waterward end. O&M Manual Sac 504, May 1965.					
FS Date: 3/7/2014					

No Photos

LM Start	0.96	Rating **	M	Issue No.	11
LM End	0.96	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.775729 °	39.775729 °
				-121.850950 °	-121.850950 °
DWR ID	DWR_NA0003_04_f_2014_11				
Action/Comments					
Inspector Comments: FS_ID:31946 EP_NO: 15950 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Only little gasoline indicator flags found on both sides of the levee and across the creek. FIELD_STRUCT_DESC: 6-inch-diameter high pressure gas main line under both levees and across channel of Dry Creek. 2 feet below the crown. Application No. 15950, 1992. FS Date: 3/7/2014					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	11/17/2014 11/17/2014	Bob Duffey

LM Start	0.98	Rating **	M	Issue No.	12
LM End	0.98	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.775899 °	39.775899 °
				-121.851124 °	-121.851124 °
DWR ID	DWR_NA0003_04_f_2014_12				
Action/Comments					
Inspector Comments: FS_ID:32144					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Slide gate in CMP riser on waterside. No access to					
CMP riseNeeds cleaning and clearing the culvert.					
FIELD_STRUCT_DESC: 24-inch CM pipe through the levee and under					
the channel, 9.5 feet below the crown. Slide gate in pipe riser on the					
waterward slope. Concrete "U" headwall on the landward end. O&M					
Manual Sac 504, May 1965.					
FS Date: 3/7/2014					

No Photos

LM Start	0.98	Rating **	U	Issue No.	1
LM End	1.05	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.776013 °	39.776595 °
				-121.851175 °	-121.852005 °
DWR ID	DWR_NA0003_04_s_2012_1				
Action/Comments					
Fence					

Photo 1 of 1 : FA\_2014\_NA0003\_68\_1\_20141013\_00001.jpg



View of the fence and trees along the landside toe of the levee.

\* **Location**  
LS : Land Side    N/A : Not Applicable  
WS : Water Side  
CR : Crown

\*\* **Rating**  
A : Acceptable                      N : Not Inspected/Rated  
M : Minimally Acceptable        C : Corrected  
U : Unacceptable                  A/W : Acceptable but Monitor & Maintain

+ **Issue Type**  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	11/17/2014 11/17/2014	Bob Duffey

LM Start	1.15	Rating **	M	Issue No.	13
LM End	1.15	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.776709 °	39.776709 °
				-121.853932 °	-121.853932 °
DWR ID	DWR_NA0003_04_f_2014_13				
Action/Comments					
Inspector Comments: FS_ID:31963					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Needs cleaning and clearing the culvert.					
FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 11.0 feet below the flap gate on the waterward end. Concrete "U" headwalls on both ends. Grouted riprap apron on the landward end. Grouted riprap spillway on the waterward end. O&M Manual Sac 504, May 1965.					
FS Date: 3/7/2014					

No Photos

LM Start	1.16	Rating **	U	Issue No.	3
LM End	1.27	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.776760 °	39.777650 °
				-121.854022 °	-121.855687 °
DWR ID	DWR_NA0003_04_s_2012_3				
Action/Comments					
Fence					

Photo 1 of 1 : FA\_2014\_NA0003\_68\_3\_20141013\_00003.jpg



View of the fence along the L/S toe.

LM Start	1.32	Rating **	M	Issue No.	2
LM End	1.40	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.778003 °	39.778378 °
				-121.856403 °	-121.857953 °
DWR ID	DWR_NA0003_04_s_2012_2				
Action/Comments					
Ditch					

Photo 1 of 1 : FA\_2014\_NA0003\_68\_2\_20141013\_00002.jpg



View of AG ditch at the L/S toe.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	11/17/2014 11/17/2014	Bob Duffey

LM Start	1.40	Rating **	M	Issue No.	14
LM End	1.40	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.778370 °	39.778370 °
				-121.857904 °	-121.857904 °
DWR ID	DWR_NA0003_04_f_2014_14				
Action/Comments					
Inspector Comments: FS_ID:31964 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing the culvert. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 13.0 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Grouted riprap apron on the landward end. Grouted riprap spillway on the waterward end. O&M Manual Sac 504, May 1965. FS Date: 3/7/2014					

No Photos

LM Start	1.47	Rating **	A	Issue No.	17
LM End	1.47	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.778443 °	39.778443 °
				-121.859108 °	-121.859108 °
DWR ID	DWR_NA0003_04_f_2014_17				
Action/Comments					
Control annual grass and weeds on the levee slopes and easements.					

Photo 1 of 1 : FA\_2014\_NA0003\_68\_17\_20141118\_00004.jpg



View of controlled vegetation on both slopes.

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2014**

**Butte County Department of Public Works**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Sycamore and Dry Creeks	Right	2.86	11/17/2014 11/17/2014	Bob Duffey

LM Start	2.22	Rating **	M	Issue No.	15
LM End	2.22	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.782777 °	39.782777 °
				-121.871179 °	-121.871179 °
DWR ID	DWR_NA0003_04_f_2014_15				
Action/Comments					
Inspector Comments: FS_ID:31965 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Needs cleaning and clearing the culvert. FIELD_STRUCT_DESC: 24-inch CM pipe through the levee, 11.0 feet below the crown. Flap gate on the waterward end. Concrete "U" headwall on both ends. Grouted riprap apron on the landward end. Grouted riprap spillway on the waterward end. O&M Manual Sac 504, May 1965. FS Date: 3/7/2014					

No Photos

LM Start	2.55	Rating **	M	Issue No.	16
LM End	2.55	Issue Type +	En	Location *	LS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DWR UCIP Field Study			39.784244 °	39.784244 °
				-121.876810 °	-121.876810 °
DWR ID	DWR_NA0003_04_f_2014_16				
Action/Comments					
Inspector Comments: FS_ID:31966					
EP_NO: N/A					
Repair Type: Non-Urgent					
Crossing Status: Found					
UCIP Comments: Needs cleaning and clearing the culvert.					
FIELD_STRUCT_DESC: 24-inch CM pipe through levee, 11.0 feet below the crown. Flap gate on the waterward end. Concrete "U" headwalls on both ends. Grouted riprap apron on the landward end. Grouted riprap spillway on the waterward end. O&M Manual Sac 504, May 1965.					
FS Date: 3/7/2014					

No Photos

<b>* Location</b> LS : Land Side    N/A : Not Applicable WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2014 Levee Inspection Results**

**Butte County Department of Public Works**

Waterway			Bank	Unit Miles
Unit No. 05 Big Chico Diversion			Left	1.85
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	04/10/2014 - 04/10/2014		11/17/2014 - 11/17/2014	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By	Shawn Bates Butte County		Shawn Bates Butte County	

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*



# Butte County Department of Public Works